



Box 18093 Austin, TX 78760  
(512) 451-5874

### DEALER PRICE LIST

1 February, 1985

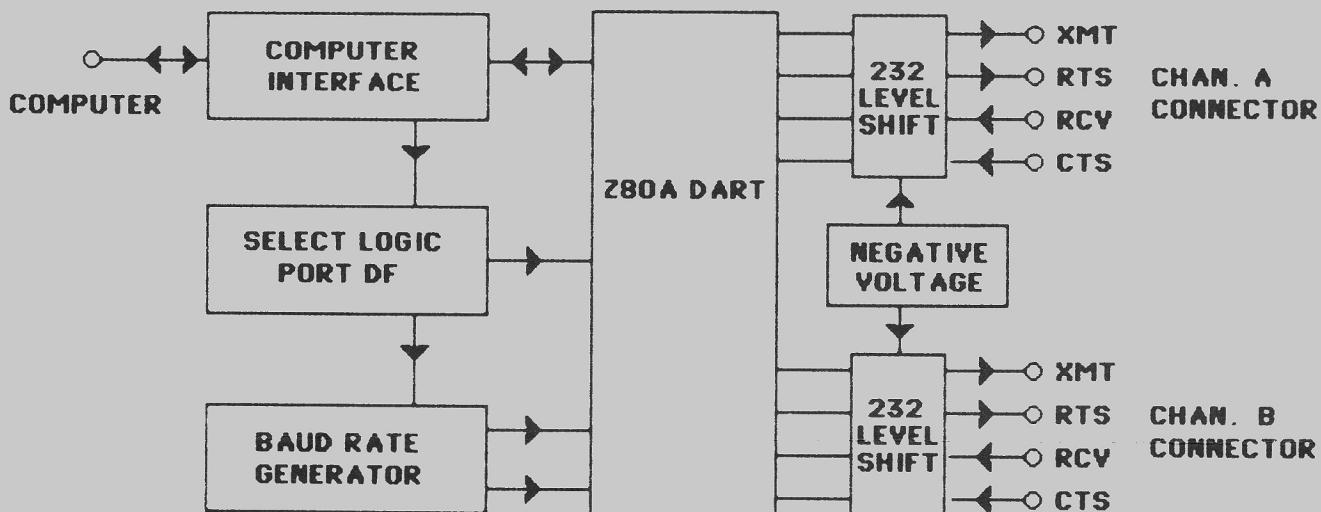
<u>Part Number</u>	<u>List Price</u>	<u>Dealer Price</u> (minimum order 4)
FD-68 (T/S 2068) (Floppy disc Interface)	199	149
FD-ZX (ZX81 / TS1000 / TS1500) (Floppy disc interface)	179	144
CP-68 (TS2068) (Centronics parallel printer)	69	40
CP-ZX (ZX81 / TS1000 / TS1500) (Centronics parallel printer)	99	79
RGB-68 (TS2068) (RGB monitor bd)	45	35
Disc Drive (400 Kilobyte) (5" / DD / DS / 6mS)	79 99	49 79
Power supply & dual drive case (5v / 12v / computer pwr)	99	89
RS-232C (all models) (Dual RS-232 serial)	99	79
RB-ZX (ZX-81 / TS1000 / TS1500) (Auto set RAMTOP / boot disc)	59	45
16AD12 (16 channel 12 bit A-D converter card, STD Bus)	269	239
SB-BP8 (STD Bus backplane, 8 slots)	99	79



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## MODULAR INTERFACE FOR TSC COMPUTERS DUAL RS-232 SERIAL INTERFACE TS1000, TS1500, TS2068

The RS-232 interface is used to communicate with peripheral devices such as Printers and Modems as well as other computers. This is a dual channel board so it can communicate with 2 separate RS-232 devices at 2 independent baud rates. It has on-board crystal controlled baud rate generators with software selectable rates of 50 to 19,200 Baud. It can be used with tape or disc based software or it can have mounted directly to it an EPROM board to provide control firmware directly from Power-On. It plugs directly on to the back of the computer and has a feed-through connector.



- INTERFACE WITH CABLE FOR 1 DEVICE \$89
- INTERFACE WITH CABLE FOR 2 DEVICES \$99      Please add \$3 for shipping.
- BUILT IN EPROM BOARD WITH FIRMWARE ADD \$49
- ZX81/TS1000       TS1500       TS2068      C.O.D. add \$3

NAME \_\_\_\_\_ VISA / MC add 5%

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

## CENTRONICS PRINTER INTERFACE

FOR TS 2068 \$69.95 + \$3 S&H

**\*All cables included**

**\*Printer driver software cassette included**

**\*Supports LLIST, LPRINT, and COPY commands**

C. ITOH PROWRITER 8510 AP PRINTER  
FOR ALL MODELS TS \$375 + \$10 S&H

**\*Full width DOT MATRIX printer**

**\*Full graphics capability**

\*120 characters per second

**\*Bidirectional printing**

\*Greek and other character sets built in

**\*Includes tractor feed and plain paper feed**

**\*THIS PAGE PRINTED ON PROWRITER**

# RGB MONITOR INTERFACE

FOR TS 2068 \$45 + \$3 S&H

(without video cable)

\*Obtain maximum resolution from the color computer

**\*Video cable \$20 Specify make & model monitor**

\*\*\*\*\*  
**CENTRONICS PRINTER INTERFACE  
FOR TS 1000 & ZX81      \$99 + \$3 S&H**

\*All cables included

\*On board EPROM contains ASCII conversion

\*Automatically sets RAMTOP, up to 64K

\*Automatically boots AERCO DISC SYSTEM on power up

\*Supports LLIST, LPRINT, and COPY commands

\*4ft ribbon cable to printer

\*\*\*\*\*  
**ROM BOARD  
FOR TS1000 & ZX81      \$59 + \$3 S&H**

\*Automatically sets system RAMTOP, up to 64K

\*Automatically boots AERCO DISC SYSTEM on reset

\*Specify printer interface    AERCO    MEMOTECH    2040    NONE

\*\*\*\*\*  
**DIRECT VIDEO MODIFICATION  
FOR TS 1000, 1500 & ZX81      \$15 + \$3 S&H**

\*A small circuit board that installs inside the computer and sends clean, sharp video to a standard computer monitor. It does not disable the normal TV output nor does it invert the video. Requires soldering 3 wires inside the computer.

\*Complete instructions are included.

# TS 2068 DISC SYSTEM

## FD-68 INTERFACE

Controls 1-4 drives

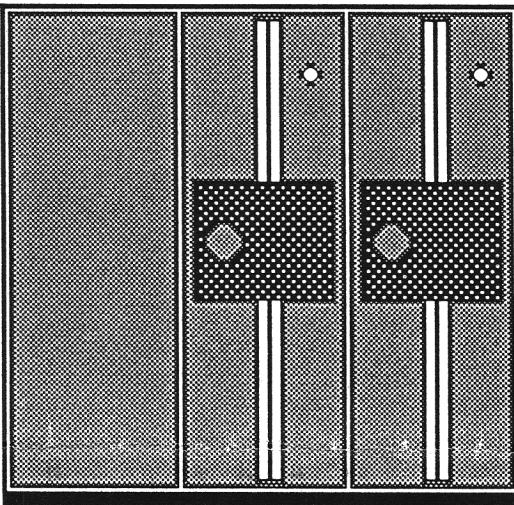
3 inch to 8 inch drives  
Shugart compatible

Single or double sided

40/80 tracks per side

64K RAM (256K opt.)  
& 8K ROM on board

RGB monitor output



## SYSTEM COMPONENTS

\$199 FD-68 Interface

\$99 Drive 40T/DS/DD  
5 inch/400 kilobyte

\$99 Dual Drive Cabinet  
and 5 amp Pwr Pack

\$3 Per Item S&H

Texas Residents add 6%

VISA/MasterCard add 5%

Enhance the performance of your TS 2068 with the AERCO Disc System. All of the speed and convenience of a full-out floppy disc system. Save, load and copy programs at the industry standard of 250,000 bits/sec. Fully compatible with all Shugart type drives, including those already in use with the AERCO 1000 Disc System. The 64K of on-board RAM can be used as a second bank of system memory or for a full-blown CP/M System (version 2.2). The RGB output is crystal clear and rock steady. The power supply is a 5-amp high efficiency switcher. We offer a variety of other hardware for all models of sinclair-TIMEX.

NOW AVAILABLE: 256K UPGRADE \$50 (2-drive max) \$80 (4-drive max)

	<u>TS/2068</u>	<u>TS/1000-1500</u>
Floppy Disc Interface .....	\$199	\$179
Disc Drives .....	from 99.79	from 99.79
Power Supplies .....	99	99
Centronics Printer I/O .....	69	99
Dual RS-232C Serial I/O .....	99	99
C ITOH 8510 Printer .....	375	375
C ITOH 7500 Printer .....	275	275
ROM Bd. with Auto Disc Boot .....	n/a	59
RGB Cable (specify monitor) .....	30	n/a
CP/M (V. 2.2) .....	25	n/a



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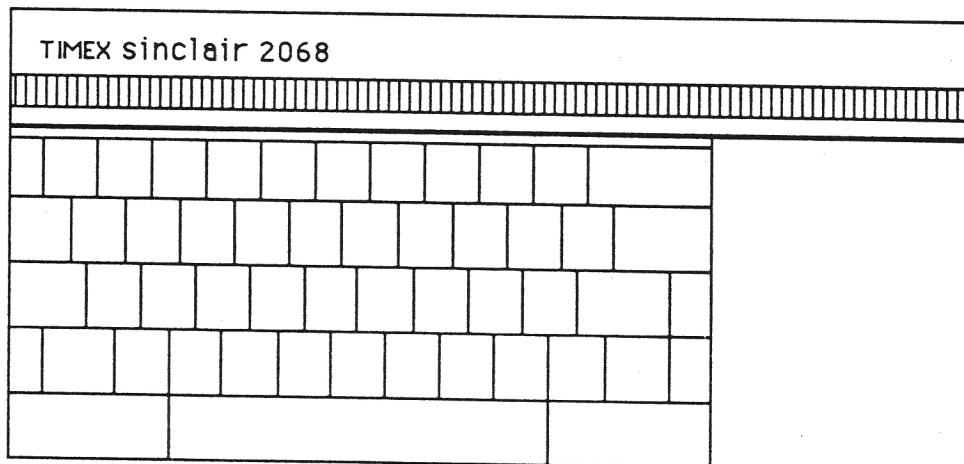
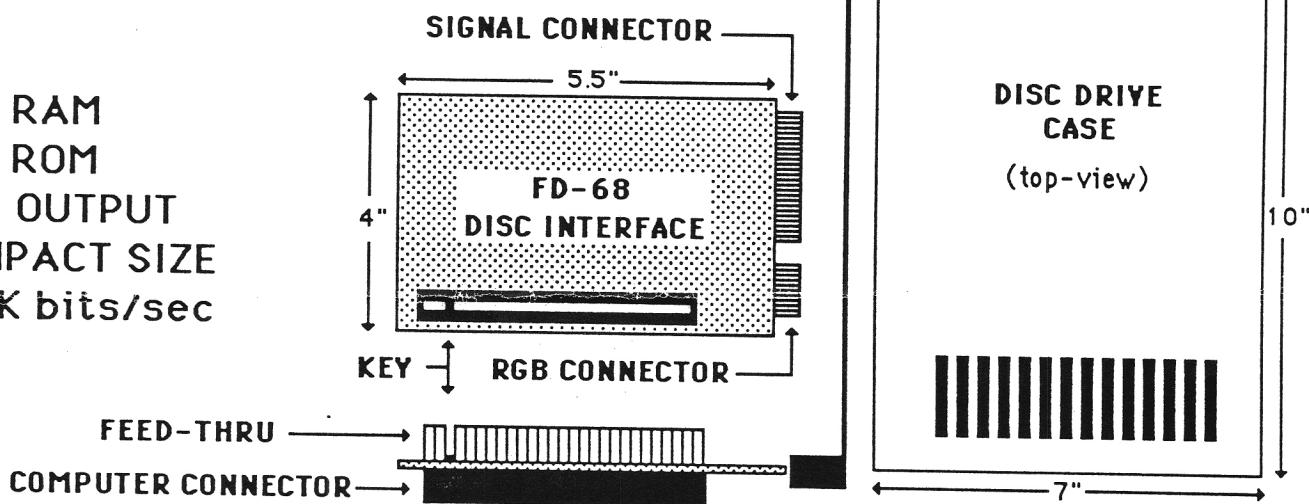


ACME ELECTRIC ROBOT CO.

Box 18093, Austin TX 78760 Ph.(512) 451-5874

## FD-68 Floppy Disc Interface

64K RAM  
8K ROM  
RGB OUTPUT  
COMPACT SIZE  
250K bits/sec



### Unique advantages of the 64K RAM



1. Emulate the Spectrum ROM from Disc
2. Run CP/M version 2.2. Access the worlds largest collection of public domain and commercial software.
3. Run a second or much larger program than the original 48K RAM inside the 2068 allows.

- ◆ HIGH PERFORMANCE FLOPPY DISC INTERFACE for the SINCLAIR - TIMEX COMPUTERS **ZX-80, ZX-81, TS-1000, TS-1500**
- ◆ LOAD A 16K PROGRAM IN 4 SECONDS . . . FIRST TIME, EVERY TIME
- ◆ INTERFACES 1-4 FLOPPY DISC DRIVES, ANY SIZE SHUGART COMPAT.
- ◆ RIBBON CABLE CONNECTION TO THE COMPUTER FOR TOP RELIABILITY
- ◆ USES COMMONLY AVAILABLE SOFT - SECTOR DISKETTES
- ◆ ◆ \$ 179 THOROUGHLY TESTED, 1 YEAR FACTORY WARRANTY ◆ ◆

**DISC DRIVES** SPECIAL DEAL... WHILE THEY LAST  
BRAND NEW TOP QUALITY DOUBLE SIDE DOUBLE DENSITY

**\$ 99**

400 KILOBYTE  
2/3 HEIGHT  
5 1/4 INCH

**\$ 99**

**DUAL DRIVE CABINET AND 5 AMP SWITCHING POWER**

**\$ 99**

TOP QUALITY HEAVY GAUGE STEEL  
CREAM COLORED  
POWERS YOUR COMPUTER TOO

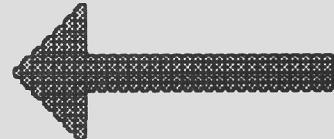
PLEASE SPECIFY 115 V.  230 V.   
ZX81, TS1000, TS1500  TS2068

FLOPPY DISC INTERFACE FOR THE TS-2068 **\$ 199** Includes 64K of RAM  
and 8K of EPROM, High Quality RGB video output, and the ability to run CPM.  
(CPM Boot Disc is an additional \$ 70, available 2-85) Accommodates 4 drives,  
any size from 3" to 8", single / double side, single / double density.

If you use your own drives, please specify:

Size \_\_\_\_\_ Tracks \_\_\_\_\_ Sides (1 or 2) \_\_\_\_\_

Track to Track Access time (6 - 30 Ms.) \_\_\_\_\_



**AERCO**  
ACME ELECTRIC BOBBOT CO

Box 18093 Austin, TX 78760

(512) 451-5874

# FD-ZX Floppy Disc Interface SPECIFICATIONS

**Maximum number of drives** 4    **Double Side, Double Density**  
**Power Requirements** +5 Volts at .5 Amps, +12 Volts at 30 Milliamps

**I.C. Complement:** 17 total including 1797 LSI Floppy Disc Controller, FDC 9216B Data Separator, 2716-1 with control firmware, LS 244 / LS 245 Buffers on ALL computer lines. **Dimensions** 4.5" x 6.5" x .5"

**Memory Locations** Memory Mapped to any 2K boundary from 2000 - 3000 Hex (8192 - 14336 Dec) Normally supplied at 3000 Hex (12288 Dec) for maximum compatibility with other peripherals.

**Warranty** One year    **Disc System commands** Read / Write

Selected Sector, Read / Write Selected Track, Read / Write

Selected Program or Data, Format Disc, Copy Disc (Requires 2 drives)

Shipping Charges	UPS GROUND	UPS 2nd DAY AIR	UPS NEXT DAY AIR	Foreign Via Mail
Interface Board	3	5	12	6
1 Disc Drive	6	10	18	11
2 Disc Drives	10	15	22	16
Drive case with Power Supply	4	6	14	8

\* Orders over \$100 require  
Cash, Certified Check, M/O

\* Certified Check or Money  
Order ships fastest.

\* C.O.D. add \$ 3

\* Visa and Mastercard  
add 5%

\* Personal checks require  
3 weeks to clear.

\* Texas residents add 5%

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

COUNTRY / SPECIAL INSTR. \_\_\_\_\_

VISA  M/C \_\_\_\_\_ EXP \_\_\_\_\_

QUAN. \_\_\_\_\_ ITEM \_\_\_\_\_ PRICE \_\_\_\_\_

- ★ HIGH PERFORMANCE FLOPPY DISC INTERFACE for the SINCLAIR - TIMEX COMPUTERS ZX-80, ZX-81, TS-1000, TS-1500
- ★ LOAD A 16K PROGRAM IN 4 SECONDS . . . FIRST TIME, EVERY TIME
- ★ INTERFACES 1-4 FLOPPY DISC DRIVES, ANY SIZE SHUGART COMPAT.
- ★ RIBBON CABLE CONNECTION TO THE COMPUTER FOR TOP RELIABILITY
- ★ USES COMMONLY AVAILABLE SOFT - SECTOR DISKETTES
- ★ ★ \$ 179 THOROUGHLY TESTED, 1 YEAR FACTORY WARRANTY ★ ★

## DISC DRIVES

We can supply the following drives (subject to current availability) or use your own.

3" HITACHI, very compact and high-tech, flipover, 400 KBytes	\$ 235
5.25" TANDON, half height, double density, 1 side,	200 KBytes
5.25" EXCELLO, full-height, double density, 2 side,	400 KBytes
5.25" SHUGART, full-height, quad density, 2 side,	800 KBytes
5.25" SHUGART, full-height, quad density, 1 side,	400 KBytes

## POWER PACK

Provides regulated +5 and +12 to two drives and powers your computer. Includes dual drive signal ribbon cable. \$ 79

## CABINET

Heavy gauge steel. Holds 2 full height or 4 half height drives.

\$ 35

## DISKETTES

DSDD Box of 10

\$ 34

## COMPLETE PACKAGE #1

200 KByte

1 SSDD Drive, NO CASE

## COMPLETE PACKAGE #2

400 KByte

1 DSDD Drive with Case

## COMPLETE PACKAGE #3

800 KByte

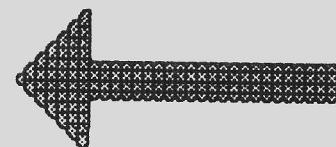
2 DSDD Drives with Case

Complete packages include interface board, power pack, cables, and drive(s) as specified above.

If you use your own drives, please specify:

Size \_\_\_\_\_ Tracks \_\_\_\_\_ Sides (1 or 2) \_\_\_\_\_

Track to Track Access time (6 - 30 Ms.) \_\_\_\_\_



**AERCO**  
BOEING ELECTRIC ROBOT CO.

Box 18093 Austin, TX 78760

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# FD-ZX Floppy Disc Interface SPECIFICATIONS

**Maximum number of drives 4 Double Side, Double Density**

**Power Requirements +5 Volts at .5 Amps, +12 Volts at 30 Millamps**

**I.C. Complement:** 17 total including 1797 LSI Floppy Disc Controller, FDC 9216B Data Separator, 2716-1 with control firmware, LS 244 / LS 245 Buffers on ALL computer lines. **Dimensions 4.5" x 6.5" x .5"**

**Memory Locations** Memory Mapped to any 2K boundary from 2000 - 3000 Hex (8192 - 14336 Dec) Normally supplied at 3000 Hex (12288 Dec) for maximum compatibility with other peripherals.

**Warranty One year Disc System commands** Read / Write

Selected Sector, Read / Write Selected Track, Read / Write

Selected Program or Data, Format Disc, Copy Disc (Requires 2 drives)

Shipping Charges	UPS GROUND	UPS 2nd DAY AIR	UPS NEXT DAY AIR	Foreign via Mail
Interface Board	3	5	12	6
1 Disc Drive	6	10	18	11
2 Disc Drives	10	15	22	16
Power Pack	4	6	14	8
Drive Case	4	6	14	8
Package 1	9	14	26	16
Package 2	12	18	30	20
Package 3	15	22	35	25

**Certified Check or Money Order ships fastest.**

**C.O.D. add \$ 3**

**Visa and Mastercard add 5%**

**Personal checks require 3 weeks to clear.**

**Texas residents add 5%**

**NAME** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**COUNTRY / SPECIAL INSTR.** \_\_\_\_\_

**VISA  M/C** \_\_\_\_\_ **EXP** \_\_\_\_\_

**QUAN.** \_\_\_\_\_ **ITEM** \_\_\_\_\_ **PRICE** \_\_\_\_\_

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**CENTRONICS PRINTER INTERFACE  
FOR TS 1000, ZX 81  
\$ 99**

- \* All cables included
- \* On board EPROM contains ASCII conversion
- \* Automatically sets RAMTOP, even in 64K system
- \* Supports LPRINT, LLIST, and COPY commands
- \* Gold plated edge connectors
- \* Ribbon cable connection to computer
- \* Includes male connector for Sinclair device

\*\*\*\*\*

**CENTRONICS PRINTER INTERFACE  
FOR TS 2048  
\$ 69.95**

- \* All cables included
- \* Printer driver software cassette included
- \* Supports LPRINT, LLIST, and COPY commands

\*\*\*\*\*

**C. ITOH PROWRITER 8510 AP PRINTER \$ 375**

- \* Full width DOT MATRIX printer
- \* Full graphics capability
- \* 120 characters per second
- \* Bidirectional printing
- \* Greek and other character sets built in
- \* Includes tractor feed and plain paper feed

**THIS PAGE PRINTED ON PROWRITER**

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## **DIRECT VIDEO MODIFICATION FOR TS-1000, 1500**

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A small circuit board with cable that installs inside the computer and sends clean, sharp video to a standard computer monitor. It does not disable the normal TV output nor does it invert the video. Requires soldering 3 wires inside the computer. \$ 15 for DV-1 \$ 3 S/H Complete instructions are included. **SHIPPING FREE IF PART OF OTHER ORDER**

## **STD Bus INTERFACE FOR INDUSTRIAL APPLICATIONS**

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Allows TS computers to function as bus master in STD Bus computer system as commonly used for industrial process control and instrumentation systems. Fully buffers all the computer lines onto the bus and maps the I/O ports into memory space. \$ 3 S/H \$ 99 including ribbon cable to computer

**COMING SOON**



**Dual RS-232 serial interface for ALL models of the T/S computers**

Completely independent channels can be configured for separate Baud rates and communications parameters. \$ 89

**Floppy disc interface for the TS-2068**

1 - 4 Shugart compatible drives of any size, double side, double density. Complete system packages available. \$ 199

**® CPM for the TS-2068**

The worlds largest collection of business / scientific software. Requires AERCO disc system. \$ 80

**Did you know ?**

That floating point arithmetic runs about twice as fast on the T/S machines than on an Apple II. ®

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**AERCO**  
BCME ELECTRIC BOBBY CO

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